

## MUSICAL CLUB IN COMBINED CONCERT

Technology and Wellesley Give  
Joint Concerts in Wellesley  
Town Hall for the Benefit of  
the Red Cross

### FOLLOWED BY DANCING

The war-time weakened social enterprises of the Institute received a welcome impetus last Friday and Saturday evenings when the Technology combined musical clubs and those of Wellesley co-operated in the rendition of joint concerts for the benefit of the Red Cross. The affairs were held in the Wellesley town hall, and were followed by dancing on both occasions. This has been the first time during the past three years that Wellesley and Technology have held joint social functions and the concerts proved to be more than a passable success. Concerning the abilities of the musical clubs of both institutions, the audience entertained nothing but the heartiest approval at the close of each concert. There was but one thing to mar each occasion and that was the exceedingly poor facilities provided for dancing.

Perhaps the most decided hit of the concerts was the selections rendered by the Technology Banjo Club. On both evenings their work received the greatest appreciation of the audience, who called for repeated encores of their lively music. Miss Viola B. Kneeland '20, of Wellesley, an unquestionable success in her clever manipulation of trap and drums, which formed a part of the Wellesley mandolin clubs. C. T. Proctor '20, of Technology also delighted the audience with his selections on the xylophone, being forced to curtail innumerable encores owing to lack of time.

The other selections of the generous program were rendered most creditably, while the concert proper ended with the singing of the Stein Song, the Wellesley and Technology musical clubs. Following this chairs were thrust back and dancing, such as it was, was indulged in until 11:30 o'clock. The dancing, however, was far from enjoyable owing to the rather poor combination of small floor space and an unusually large audience.

The programme follows.

- I. a. Sing of the Rocks and the shore Corliss  
b. Take Me back to Tech  
Arranged by P. W. Carr  
Wellesley and Technology Glee Clubs
- II. a. Battleship James M. Fulton  
Connecticut (March)  
Arranged by H. F. ODELL  
b. Medley of War Songs  
Arranged by G. L. LANSING  
WELLESLEY MANDOLIN CLUB
- III. a. Winter Song Bullard  
b. Sleep Time, Mah Honey Howell  
c. Sing We and Chant It Harris  
WELLESLEY GLEE CLUB
- IV. a. To the Field Buck  
b. Slumber Song Warren  
TECHNOLOGY GLEE CLUB
- V. Technology Banjo Club
- VI. Topical Song  
WELLESLEY MUSICAL CLUBS
- VII. a. March of the Mourning Marionettes Gounod  
b. Viking Song S. Coleridge-Taylor  
WELLESLEY AND TECHNOLOGY GLEE CLUBS
- VIII. a. Salut D'amour Edward Elgar  
Arranged by H. E. HILDRETH  
WELLESLEY MANDOLIN CLUB  
b. Somewhere in Dixie G. L. Lansing  
MANDOLIN CLUB OCTET
- IX. a. The Miller's wooing Fanning  
b. Kentucky Babe Geibel  
c. Knitting Risher  
WELLESLEY GLEE CLUB
- X. Xylophone  
C. T. PROCTOR '20.
- XI. a. Selections from "Romance of the Reel"  
Arranged by G. L. LANSING  
b. Ghost Dance Sallsbury  
Arranged by H. F. ODELL
- XIII. a. The Stein Song  
b. Wellesley Alma Mater  
Star Spangled Banner  
WELLESLEY AND TECHNOLOGY MUSICAL CLUBS.

## JUNIOR CLASS TO GIVE DINNER IN WALKER MEMORIAL

Professor Miller to Speak at Junior  
Dinner Saturday

The Junior Class Dinner will be held in the Walker Memorial on Saturday, March 2, at 6:00 o'clock. The tickets are now on sale and may be gotten from a class representative in each course. The price is one dollar a plate.

The class officers have promised a good entertainment in spite of the fact that several attempts at obtaining good speakers have been futile. Mr. A. D. Little, a Technology graduate, was to have been the main speaker but on account of his being called to Washington he will be unable to speak. Professor Miller, of the Mechanical Engineering Department, has, however, been obtained to give a talk. There will also be an announcement as to the appearance of the 1919 Portfolio in the 1920 Technique.

## GOSMOPOLITAN CLUB

### Successful Dance Held in Walker Memorial

Last Saturday evening the combined Cosmopolitan Clubs of Harvard and Technology held an "International Night" at the Walker Memorial, attended by several hundred members and friends of the societies. This meeting is the first one held at Technology where Harvard Cosmopolitan Club members were present and showed well the broad-reaching influence of such a combination, for there were represented countries from all parts of the world. The term "International Night" was truly applicable, for this meeting established the record of having a more varied representation of foreign countries than has ever before gathered at the Institute.

N. F. Alvarez '18, chairman of the evening, opened the entertainment by a word of welcome to the members of the visiting club, and stated in brief form the ideals which the Cosmopolitan Clubs have as a goal. "Above all nations is humanity" is the motto of the clubs, a motto conflicting directly with the aims and attitude of the warring nations of the world, but nevertheless one which is truly a motto to be desired.

C. P. Chow, president of the Harvard Club, expressed his thanks to the Technology Club for the meeting, and expressed the hope that the social time would help to further co-operate the students of Technology and Harvard.

In the program of entertainment of the evening the Russian Dance by Miss Gertrude Barish was greatly appreciated by the audience, the delicate and entrancing movements of the performer bringing continued applause. Other star features were the Chinese Sword Dance and a patriotic dance by Miss DeCoen. In the Cosmopolitan Reminiscences by J. Manach of Harvard, he expressed the hope that he had not lived in vain—he would much rather live in Chelsea.

After the entertainment refreshments were served and then the dancing was commenced. It was in the dancing that the true sociability was most evident, for the dancers followed the plan of showing no social distinction whatever in their choice of partners. The dancing lasted from about 9:15 o'clock to 11:30 o'clock, music being provided by several members of the Technology Orchestra under the direction of Manager Thompson.

The program is as follows:  
Violin Solo.....By George Hanson....  
Dance.....By Miss Constance DeCoen  
acc. Marion Green

1. Spring Song.  
2. On to Victory.  
Cosmopolitan Reminiscences

Chinese Sword Dance.....By K. L. Hsueh  
Recitation.....By Miss Esperanza Balaneta

1. Love and Live.....Fertus Van Dyke  
2. La Serenata de Sinfon

Russian Dance.....By Miss Gertrude Barish  
acc. B. S. Cohen

Piano Selections  
By Miss Vernita C. Corbett

1. "Bird Voices".....John Orth  
2. "Woodland Nymphs".....John Orth

Dedicated to Miss Corbett.  
3. Etude in D Flat.....Franz Liszt

A vocal solo by J. Gross was omitted, the singer having been called away before the entertainment.

## M. I. T. WINS FROM WESLEYAN, 31 TO 22

Relay Race Ends in Dead Heat,  
But Technology Swimmers  
Show Marked Superiority in  
Other Events

### UNTERSEE '19, STARS

Technology won a closely contested swimming meet from Wesleyan, 31 to 22, in the Fayerweather tank Saturday afternoon. The visitors demonstrated their superiority in almost every event, while the work of Captain Untersee and A. E. Wales '19 was conspicuous throughout the meet.

The relay race was one of the prettiest events in the series, and was finished a dead heat. The Technology swimmers were handicapped by competing in a pool five yards shorter than they have at home, while Wesleyan contestants were spurred to their utmost by the shouts of the undergraduates. The time was 1m. 25 1-5s.

All the men on the Wesleyan relay, with the exception of Captain Bower, are freshmen. Walker disappointed his team somewhat in the dives and was able to take only second place.

In the 220 Bolan '20 defeated Greene '20 in a grilling fight, while Thompson, who is regarded as Wesleyan's best man in this event, failed to come up to his previous standard. Peek, a freshman, took third place for Wesleyan.

Captain Max Untersee's work was conspicuous. He won the two short dashes with ease and displayed a skill that called forth applause of the crowd. Wales was another outstanding figure in the plunge. He far outdistanced his competitors without exerting himself.

Relay Race—Teams finished a dead heat; M. I. T. (Young, Trowbridge, Shaw, Untersee), Wesleyan (Berrien, Puck, Bower, Woodruff). Time—1m. 25 1-5s.

Dive—Won by Spear, Wesleyan; second, Walker, M. I. T.; third, Shaw, M. I. T.

Forty-Yard Dash—Won by Untersee, M. I. T.; second, Woodruff, Wesleyan; third, Bower, Wesleyan. Time—20s.

Two Hundred and Twenty-Yard Dash—Won by Bolan, M. I. T.; second, Greene, M. I. T.; third, Peek, Wesleyan. Time—2m. 47 1-5s.

Plunge—Won by Wales, M. I. T., distance 59 ft.; second, Guibord, Wesleyan, distance 52 ft.; third, Winner, Wesleyan, distance 50 ft.

One Hundred-Yard Dash—Won by Untersee, M. I. T.; second, Berrien, Wesleyan; third, Woodruff, Wesleyan. Time—1m. 2 2-5s.

### NICHOLS 2 TEAM HEADS DORMITORY BOWLING LEAGUE

The team from the second entry of Nichols leads the other eight teams with a record of five games won out of six. Its closest rival is the team from Holman two. Wednesday night there will be a meet between Runel 3 and Runel 2 and also between Holman 1 and Nichols 2. Any man who has paid his dormitory fee is eligible for the league.

## What Do You Know About Tech Men in Service?

The management of THE TECH is desirous of keeping Institute men in as close touch with each other as possible. If you have news of any former student either "over there" or "over here," send it in for publication. Names will be withheld if so requested. Address all communications to this

Managing Editor, THE TECH,  
Charles River Road,  
Cambridge, Mass.

## CORPORATION XV TO HOLD DINNER IN MEMORIAL

Course XV Society to Hear F. G. Co-  
burn of Aircraft Factory

Corporation XV will hold the first meeting of the year in the form of a dinner Thursday, February 28, at 6:30 o'clock in the faculty dining room in the Walker Memorial. Mr. F. G. Coburn, of the aircraft factory at the Philadelphia Navy Yard, will speak and it is hoped by the officers of the society that a good showing will be made. A short business meeting will follow the dinner when a treasurer and two directors will be elected. All Sophomores in Course XV are now eligible for membership and all such men are cordially invited to attend the meeting.

## ALL-COLLEGE CAMP

### To Pool College Resources in Summer Training Camp

(From the Harvard Crimson)

Tentative plans for military training camps this summer are on foot in various colleges in which units of the Reserve Officers' Training Corps have been established by the Government. As yet, nothing definite has been announced by any university in regard to this work, but it is certain that 1918 barres and Tobyhannas are at least receiving serious consideration.

Would it not be more to the point this year for certain universities to unite their summer training into a single, All-College R. O. T. C.? Such an arrangement would abolish many of the objections to small camps, which are expensive even for the larger universities and impossible in the small colleges. In addition, it would have tremendous advantages in the following ways:

First—The cost of one camp for five thousand men would be, approximately, not more than two-thirds that of five for a thousand each. Any saving in this way is, of course, to be encouraged.

Second—Those college corps which have not a sufficient enlistment to warrant a camp would receive the advantages for their men at a cost proportional to the quota.

Third—A camp which combined the artillery training of Yale, the infantry of Princeton and Harvard, the engineering of Technology and the other advantages of a dozen more institutions, would make it possible for a man to be trained in that branch of the service in which he intended to serve later.

Fourth—A general staff composed of the military heads of many colleges would be more efficient, capable and authoritative than that of any one alone.

Fifth—Imagine the value of executing manoeuvres with all branches of the service present. Instead of being merely "simulated" by flags and mysterious crosses on maps!

But the most important argument in favor of an All-College Camp such as we propose would be the possibilities of its relations with the Government. Hitherto, the War Department, although acknowledging the good for the cause done by individual units of the R. O. T. C., has never been able to support the best of the corps as they deserved because of the impossibility of distinguishing between institutions. If we pooled our interests—which are the same to start with, namely, to increase the efficiency of future officers and men—and at the same time pooled our equipment, experience, and instructors, the result would be a training camp which the Government could back without fear of partiality, and which we are inclined to believe, it would back much more earnestly with men and money than has been the case with the smaller camps.

### NEWS MEETING.

There will be a meeting of all men connected with the News Department of The Tech to-morrow at 1.05 p. m., in the Tech office.

## MUNROE PREDICTS TRUE EFFICIENCY IN EDUCATION

Secretary of Technology's Cor-  
poration Urges Education Con-  
serving Pupil's Time, Individu-  
ality and Special Aptitudes

### WAR WILL CHANGE METHODS

Mr. James P. Munroe '82, who recently gave up the chairmanship of the M. I. T. Committee for National Service in Washington for other urgent relating to the war, recently spoke before a convocation at George Washington University. Mr. Munroe's speech follows in part:

"Education after the great war will no longer be, I believe, a spendthrift in itself and a praiser and promoter of extravagances. It will be, on the contrary, an education conserving the pupil's time, his individuality and his special aptitudes and talents; it will be one that, directly and indirectly, will fix attention upon certain great fundamental wastes which must no longer be permitted, and the prevention of which is a thing worthy of the best efforts of mankind.

"The supreme acquisitive years are those between birth and majority, and in those years the physical and mental health, the character, the aims and, practically the life career of the individual are for all time determined. Yet a large proportion of those precious twenty-one years are now thrown away, because of the ignorance of parents as to what education means, because of the adherence of schools to traditions which have meant nothing since medieval days; because of our fear of teaching immediately practical and useful things; because of our queer notions that work is a curse and that play has no training value; because we create vast educational plants and then use them to one-fifth of their capacity; because, in short, we do not take a human being seriously until he becomes a man, until the precious period in which he might have been made a real man and an effective citizen has irrevocably passed.

"The first lesson that education itself must learn is that it is a serious business; serious because it deals with the prime asset of mankind; a business because it has a certain definite task to do and a limited time in which to do it, and should conserve every minute and every resource of that short training period. Most current education cannot presume to call itself, however, either serious or businesslike; for it leaves four-fifths of its task to be performed haphazard, on the streets and in by-ways; because it still regards the child as a mechanism to be fitted into its stereotyped machinery, not as a human intellect and soul to be individually developed; because it sublimely ignores all the experience and teaching of other businesses; because, while spending a great proportion of the national revenue, it feels no obligation to render any specific returns for those expenditures, and makes no study of the efficiency of the output of its vast and costly mechanism.

"The war will almost have been worth while if, through the lessons it will teach, our complex educational systems come to realize that they must make themselves really efficient, by using their plants to capacity, by supervising the whole training of the child, in school and out, by making use of the immense educative power both of real work and of real play; by teaching those who are to be the fathers and mothers of the future how to make homes and how to fulfill their obligations to society; by developing children into self-respecting citizens not only by training them for democratic citizenship, but by carefully helping them to make for themselves a real place in the social and economic world."



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The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

#### IN CHARGE THIS ISSUE

Albert Kruse '20 R. H. Smithwick '21

WEDNESDAY, FEBRUARY 27, 1918

#### EFFICIENCY IN EDUCATION

**E**FFICIENCY in education, as advocated by James P. Munroe at the convocation exercises of George Washington University, is a goal toward which Technology is aiming.

A year ago, Technology would have thought it impossible to undertake more work. Now she is housing hundreds of future aviators and naval officers in her new buildings.

Still more might be done, however. For many hours of each precious day, much of the costly apparatus owned by the Institute is idle, many of the class rooms are vacant, and the draughting rooms are unoccupied.

Efficiency in education means the utilization of all educational facilities during all hours of the day. A greater extension of the evening classes, so that men who work during the day might have fuller benefit of Technology's splendid equipment, would be a step in the right direction.

Another move toward more complete efficiency was made by Technology when it was decided to continue exercises for some of the classes throughout the summer months. Why should students lose much valuable time in their training just because it has been the custom of the colleges to have long vacations?

Technology has broken away from many of the old customs that hold sway in the academic world. She is seeking to give men a broad, practical training in the shortest possible time.

Now, she must go still farther. She must keep her own educational energies working continuously, and she must demand the constant attention of her students during their period of training. Then we shall have true efficiency in education.

#### THE QUESTION BOX

"A short while ago you obtained for me some information about the Naval Aviation School at Tech. I certainly appreciated this, for it helped me considerably, and now I am going to ask another favor of you."

"I am very much interested in the shipping board training schools. Any information as to training details as well as remuneration during training period and immediately afterwards will be very interesting."

"The enclosed is read with great interest. Will you please answer, if possible, in your question box, what Naval Branches are open to Tech men for securing commissions, and the procedure to apply?"

Such questions as these have been coming into the office of THE TECH since the establishment of the question box early in January. We have been able to answer them all: some through the columns of THE TECH, and others by personal letters, much to the satisfaction of the inquirers as subsequent acknowledgments have shown.

Technology is so situated that direct channels are open to the sources of information, and THE TECH has appointed a man to follow these channels and obtain accurate answers as soon as possible.

Our letter files already show the services which the question box has rendered, and point out the still more extended service which is open to it in the future.

Any question that may be sent in will be answered with the greatest dispatch and accuracy.

It is said that the dormitory dances are awakening a feeling of closer fraternity among the students.



**HARVARD UNIVERSITY**—After a week of unseasonable temperature, during which the Lampon daily burned incense to the Weather Man, the Charlesbank Rink is again in condition to support fourteen men, and in consequence the postponed Lampon-Crimson hockey game (sic) will take place thereon next Monday afternoon. Both septets have taken advantage of the additional time to perfect themselves in the bayonet exercises and the loading drills, and will probably be in good condition and well loaded when the hankerchief is dropped day after tomorrow. The contest is to be open to the public, who may join on either side.

**CORNELL UNIVERSITY**—The official Cornell "bust" list shows that 158 men have been dropped from the university for poor academic work. At the same time 223 are placed on probation, and 82 are warned that the work they are doing, while it is passing, is not entirely up to the standard set by the college authorities. These figures are rather unexpected, considering that this is a war year. Leniency was expected from the Cornell faculty because of the unusual strain under which students were working, but figures show that the second largest first term "bust" list in the history of the university is the result of last term's work. The College of Arts and Science heads the list of the number of students dropped with 50; the College of Mechanical Engineering is second with 44; Agriculture a close third with 43. Law has dropped 14. Veterinary 6, Architecture 1 and Civil Engineering and Medicine none.

**BROWN UNIVERSITY**—In the closest meet of the season Coach Huggins' Brown swimmers defeated Amherst here tonight 27 to 26. The result of the match was in doubt up to the 100-yards the last event on the card and Brown men had to get second in this event to win.

Relay race—Won my Brown (Stearns Lawton, Peters, Prendergast); Amherst, (Tuttle, Bratt, Phillips, Cowles). Time—1m. 49 1-5s.

Dives—Won by Lawton, Brown; second, Brough, Amherst; third, Sheldon, Amherst.

Fifty-yard swim—Won by Cowles, Amherst; second, Prendergast, Brown; third, Peters, Brown. Time—26 3-5s.

Two hundred and twenty-yard swim—Won by Vermilyea, Amherst; second, Bratt, Amherst; third, Fleming, Browns. Time—3m. 6s.

Plunge—Won by Welch, Brown; second, Guild, Amherst; third, Ladup, Brown. Distance—61ft. 6in.

One hundred-yard swim—Won by Cowles, Amherst; second, Prendergast, Browns; third, Vermilyea, Amherst. Time—1m. 11-5s.

#### TECHNOLOGY OUTPOINTED BY ANDOVER MATMAN

Wirt '18 the Only Man to Win His Bout for Institute

Last Saturday evening the Andover mat-men managed to outpoint Technology's grapplers by a score of 14-5. Wirt '18, was the only man on our team to win his bout although Smoley '19, seemed to have the upper hand before he was knocked unconscious by tripping and falling to the floor. Scott and Gordon '21, fought a closely contested bout in which the former managed to gain a decision over the latter.

In the 125-pound class Houck defeated Smoley '19, in three minutes by getting a half-nelson and an armlock on the latter. Smoley '19 was outweighed by ten pounds in this bout. Scott, the Andover captain, managed to gain a decision over Gordon '21, in the 135-pound class after a ten-minute struggle. In the 158-pound class Wirt '18 dragged Thompson to the mat by the side roll and managed to pin him there after eight minutes by using a hammerlock and the half-nelson. Captain Giles '17, was unable to wrestle on account of a sprained neck, but Ramsey '21, the freshman champion, took his place in the 145-pound class. The latter did well but was caught unaware by Williams of Andover and lost by a fall in two minutes and ten seconds when the Andover man got a forward chancery and a bar arm hold on him. In the 115-pound class Smoley '19 obtained a side chancery on his opponent Dully, but "Cyclone" Burns, the referee, declared no decision on the bout when the former was injured. A return meet will be held with Andover later in the season. The summary of the results follows:

One hundred and twenty-five-pound class—Houck, Andover, defeated Smoley, M. I. T., 3m.

(Continued on page 3)

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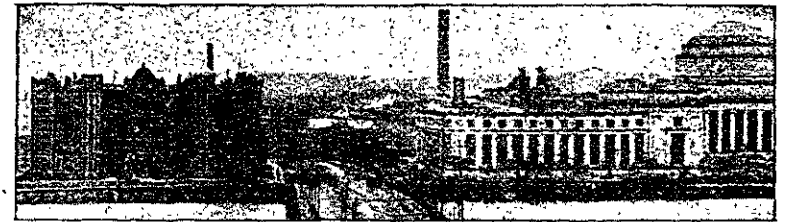
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FRANK A. ROBBINS '02  
NOW GENERAL MANAGER

Institute Man Rises In Ranks of Great Steel Plant

Fifteen years ago Frank A. Robbins '02, and a member of Course 2, entered the employ of the Pennsylvania Steel Company at Steelton, Pa., in a modest position. shortly after the time of his graduation from the Institute. Today he is the general manager of the Steelton plant of the Bethlehem Steel Company, with more than 10,000 employees under his direct charge. His rapid rise in the steel world stands out as one of the prominent things in the history of the Bethlehem company since the outbreak of the war.

Mr. Robbins succeeds Quincy Bent, whose promotion from the position of general manager of the Steelton plant to that of vice president in charge of steel operations, preceded that of Mr. Robbins. Both Mr. Bent and Mr. Robbins are in the middle 30's and learned the steel business in Steelton.

In addition to Mr. Robbins' duties as general manager of the Steelton plant he is also secretary and treasurer of the American Association of Steel Manufacturers. He has held this latter position for the past three years.

The Harrisburg Telegraph, speaking of the changes at the Steelton plant has this to say about Mr. Bent and Mr. Robbins:—

"Mr. Bent's removal from Steelton will be keenly regretted both here and in Steelton, but there is one point of gratification in the transfer which will be approved by every one of the thousands of employes of the great plants, and that is the elevation of Mr. Robbins to be general manager of the Steelton properties."

T. C. A. TO ORGANIZE  
"TECH BIBLE" COMMITTEE

The Technology Christian Association is about to organize the committee on getting out the "Tech Bible" for next fall. Men who are interested in this work and would like to take part in it should see Mr. A. G. Cushman, secretary of the Association, or G. F. Gokey '20.

A number of changes are being made in the staff of the Association. on account of officers leaving for various positions in the government service. S. C. Wells '20, is taking the place of G. S. Brewer '18, as president. The former president has gone to Camp Devens. N. G. Abbott, Jr., '20, is now vice-president of the Association in place of A. G. McAlister '18, who has entered the Officers' Training School at Camp Upton. C. B. Stanwood '20 has taken E. W. Rounds '17 position as treasurer, as the latter is serving as an instructor in the Naval Aviation School at the Institute.

The following men who have books in the T. C. A. sale will please call at the office on Wednesday, February 27, from 12:00 to 1:00 o'clock and receive their money:—

R. P. Abercrombie, E. J. Bachmann, M. C. Balfour, E. G. Bangratz, D. A. Barnes, W. N. Barron, E. L. W. Barry, L. E. Beaylieu, P. M. Berko, Robt. Berkowitz, F. Blewer, J. H. Blodgett, N. M. Blood, E. R. Bridgewater, P. S. Britton, T. V. Brosnahan, H. J. Bruno, Harold Bugbee, L. W. Bugbee, A. L. Burbank, R. L. Burbank, A. W. Burke, F. W. Childs, E. K. Clark, G. W. Coffin, H. C. Collins, M. F. Connors, J. H. Coyle, P. B. Craighead, C. G. Dandrow, E. G. Dandrow, E. P. Delaney, G. O. Frederickson, G. O. Eickwall, C. M. Ellis, E. C. Fairbrother, R. W. Gleason, L. J. Goldstein, M. E. Goodridge, H. I. Granger, D. I. Gross, Albert Haultine, G. F. Halfacre, Louis Harshowitz, F. R. Hewes, A. D. Higgins, I. B. Hitchcock, F. O. Holmes, W. R. Holt, F. H. Hopkins, S. A. Hoyer, H. K. Ireland, I. D. Jakobson, Geo. Kahn, H. L. Katz, C. Krebs, W. J. Leahy, W. H. Lemori, Jr., S. Levinson, J. E. Longley, A. J. McGowan, O. A. Mills, H. C. Muther, J. S. Newell, J. Nolen, Jr., A. D. Nute, A. F. O'Donnell, Sherwood Page, J. L. Parsons, E. F. Perkins, H. C. Priest, P. L. Rhodes, R. E. Robillard, M. H. Roly, Geo. A. Sackett, H. H. Searles, F. W. Sears, H. V. Seavey, M. P. Smith, R. S. Smith, H. G. Spector, A. B. Staubach, C. L. Stone, C. L. Svenson, C. H. Taylor, G. R. Taylor, P. R. Thompson, Eaton Webber, M. H. Whitaker, C. E. White, E. P. Whitehead, H. E. Wilks, H. S. Winkfield, Louis Wolff, James J. Wolfson, Oscar P. Young, F. E. ZurWelle.

(Continued from page 1)

One hundred and fifty-eight-pound class—Wirt, M. I. T., defeated Thompson, Andover. 8m.

One hundred and thirty-five-pound class—Scott, Andover, won decision over Gordon, M. I. T., 19m.

One hundred and forty-five-pound class—Williams, Andover, defeated Ramsey, M. I. T., 3m. 10s.

NEAL E. TOURTELLOTTE '17 TELLS OF  
EXPERIENCES IN EUROPE ON WAY TO FRONT

Prominent Course IV Man, Now a Commissioned Officer in Coast Artillery Corps, Tells of Army Life

Neal E. Tourtellotte '17, who is now a 1st lieutenant in the Coast Artillery Corps and already in France, has written a series of letters which are to be published in The Tech. While at the Institute Tourtellotte was one of the leaders of his class and active in the affairs of the Institute.

See Many Historic Places

"The rest camp was very near an old village, famous in English history. It was exactly as if one were living the past ages over to visit from one historical spot to another. Remains of the old city gates were still standing and in every case had been turned into municipal museums by the town authorities. In them we saw old armour, swords, pistols, the ceremonial suit, the 'town champion' were, executioner's axe, and many other objects.

"The castle which was in the centre of the town has only the Great Hall remaining. In it were held many famous banquets, the details of which I cannot give since you could locate the place. It is now turned into an office for the War Work of the village.

"The Cathedral was of course the pride of the place. It is one of the oldest in England and the bones of many of the old kings are placed in its vaults. We were lucky enough to get an old vestryman to conduct us around. He showed us many small interesting details that get by the ordinary sightseer, the curious carvings in the choir where one priest had put a movable tongue on a head, another some pigs with the stomachache, and another one old shrew of the village who had refused him alms!

"Since the Cathedral had been added to and rebuilt at different periods, it was a composite study in English Architecture. Some of my class room knowledge, gained in 'Architectural History' was finally of use!

Street Lights Painted Over

It was an unique experience to visit the village at night. All the street lights have been painted over with a green paint that gives the surroundings a ghostly hue. Then the click, clack of the hobbles of all the soldiers passing up and down the streets add another weird sound. Autos are very scarce. Every little while we all practically had to scale the side of some nearby block to escape the wheels of some hack.

"It is a revelation for the average American to hear the language here. It is pure English. Many of us were quite chagrined to notice that the ordinary street urchin here talks better English in a way than we do.

Get Ale Instead of Bath

"About the second night in camp, disgusted with our stove and determined to have a bath, we went to town and got a room at the hotel. Then our adventures did begin. First we had to order a fire in the grate—they do not have stoves or steam heat over here. Then we asked the maid to get us two baths. After a long, long wait she appeared with two bottles of Ale and informed us that she was not able to get any Bass but here was something just as good. We evidently did not speak English!

plainly and bath to her meant Bass! Then I heard the click of the loitering soldiers' boots outside and thought that they were marching past and tried to raise the blind. No luck at all. Then the maid showed me how—they have some sort of a rope pulley arrangement at the side instead of a spring in the roller. We were certainly green!

English Have Varied Salutes

"The salute of the English soldier is quite a task to get not only accustomed to but also to know. Each regiment has its own peculiar way of flinging the hand through the air before it is placed against the vizar of the cap. An orderly on horseback or on a bicycle simply straightens out the arm nearest you and glances in your direction. A rider on a gun carriage crosses his arms, brings them to a horizontal position and snaps his head in your direction. As one of the fellow said after answering such a variety of salutes, 'Some day one of those fellows is going to thumb his nose at me and I will answer it, thinking that it is a salute!'

"The English have a dejected look that an American cannot get used to. The womenfolk apparently do not know how to wear their clothes and do not look smart at all. Quite a contrast to our girls at home. I can understand how an American can 'fall' for a French girl but never for an English one. A small item—even the girls in the chorus of their musical comedy shows wear cotton stockings!

Food High But Clothes Cheap

"While food is much higher in England than in the States, clothes are much cheaper. All we fellows got excellent whitecord uniforms that you could not buy at home for even \$100 for less than \$50. They do not have a tariff on wool and even the large demand for it due to war needs, has not forced the price up to what it is in the U. S. "I could not get used to the climate in England and I wonder if the people ever are warm. Heat is an unknown article apparently. The continual fog, even after several years of life in Boston was most depressing. It took all the 'pep' out of me.

Little News In Papers

"From perusal of English newspapers I do not see how the people ever learn anything about what is happening. Of course perhaps the small size paper brought on by war stringency, has cut them somewhat but news is mighty scarce. They all look like our small town papers. Advertisements all over the front sheet and a lot of letters to the Editor make up the main body of the publication. We were mighty glad to get hold of the Continental Editions of the Chicago Tribune and the New

(Continued on page 4)

INSIGNIA FOR ENLISTED RESERVES

Enlisted Reserve Engineers Are to wear Regulation Button

The following memorandum for the Adjutant General of the Army, on the subject of insignia for Enlisted Reserve students, dated February 12, has been received by Major Cole from the office of the Chief of Staff, War Department, Washington.

"The Secretary of War approves the recommendations of the Chief of Engineers in 2nd Indorsement, that Engineer Enlisted Reserve Students be authorized to wear, on the left lapel of the collar for uniformed students, the regulation enlisted man's button of the Corps of Engineers, without company letter, it being distinctly understood that the enlistment of these men in the Enlisted Reserve Corps does not authorize them, on account of such enlistment, to wear the uniform of the United States Army, or any part thereof, other than the button, until called into active service.

"The Secretary of War further directs that the same rule be followed with regard to Medical Enlisted Reserve students, and also to students who have or may hereafter enlist in the Reserve Corps of any other arm, under similar conditions.

"Information of this action will be communicated to all concerned.

Wm. S. Graves, B. G. N. A.  
Assistant to Acting Chief of Staff."

THE COST OF WAR.

Ten months of the war have cost the United States about \$7,100,000,000—at the rate of \$24,000,000 a day, according to figures issued by the Treasury Department on Feb. 6. More than half of this sum, or \$4,121,000,000, has been paid as loans to the Allies, and the balance, about \$3,000,000,000, represents America's outlay for its own war purposes, exclusive of more than \$600,000,000 for ordinary Government expenses. The war's toll in money is increasing at the rate of more than \$100,000,000 a month, and indications now are that the two remaining months of the nation's first year as a belligerent will run its war bill to nearly \$10,000,000,000, of which \$5,000,000,000 will be for Allied loans and about the same amount for the Army, Navy, Shipping Board and other war agencies. These figures show that although the country's expenditures are running into totals never before dreamed of, they are below official estimates made early in the war. Since war was declared April 6, and the fiscal year for which estimates were made did not begin until July 1, it is difficult to compare precisely the actual war cost with the fiscal year estimates. Most of the war expenses have been incurred since July 1, however, and the total outlay since then has been \$6,500,000,000, in a little more than seven months, as compared with estimates of \$18,431,000,000 for the entire year.

Technology Men  
in War Service

The Tech wishes to print the names of Technology men in War Service, whether in a military or industrial capacity, together with the branch of such service with which they have allied themselves.

Notification of any corrections or changes in the information given in this column will be appreciated. Address any information of this character to the Managing Editor, The Tech, Massachusetts avenue, Cambridge, Mass.

Class of 1914

G. U. STEWART, Pvt., Co. H, 301st Inf., Camp Devens.  
HAROLD L. WARREN, Wireless Corp., Hq. Co., 301st F. A.  
FREDERICK B. BARNES, Pvt., Co. D, 26th Engrs., Camp Dix.

Class of 1915

HOWARD H. WELLS, Flying Cadet, Avia. Sec.

Class of 1916

ROBERT A. CROSBY, Sgt., Ord. Dept.  
JOHN E. WOODS, 2nd Lt., Inf. R. C.

Class of 1917

KENNETH M. CHILDS, 13th Co., 1st Motor Mechanics Regt., Sig. Cps., A. E. F.  
FREDERICK B. SMITH, 1st Lt., San. Eng. Cps., A. E. F.  
C. E. ATKINSON, 1st Lt., 32nd Co., Coast Guard of N. B.  
H. G. PARKER, Pvt., Med. Cps.  
OSCAR R. PETERSAN, 2nd Lt., 310th Engrs., Camp Custer, Battle Creek, Mich.  
HAROLD F. L. POWERS, Jr. Insp., Nav. Constr., Navy Dept., Wash.  
H. C. WOOD, Pvt., 3rd O. T. C.

Class of 1919

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P. W. LOOMIS, 2nd Lt., C. A. C.  
DIRK LUYKS, Pld. Amb. Ser., France.  
LOUIS A. McCARTY, S. S. U. 62, par B. C. M., Paris.  
A. M. MARRAN, Royal Flying Cps., Canada.  
HERBERT C. MERRILL, 1st Cl. Pvt., Avia. Sec., Sig. E. R. C., unassigned.  
LELAND H. MERRILL, O. T. C.  
SIDNEY T. PHELAN, U. S. A. A. S., S. S. U. 5, par B. C. M., Paris.  
FRANK P. REYNOLDS, 1st Cl. Pvt., O. T. C., Camp Upton.  
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AUBREY H. STRAUS, 1st Lt., Stationary Laboratory No. 1, San. Cps., A. E. F.  
JAMES P. THURBER, 2nd Lt., F. A., U. S. A.  
M. W. WEISCOPE, Insp., Ord. Dept., New York.  
ROBERT K. WELLS, Midshipman, U. S. Nav. Acad.  
KENNETH A. WRIGHT, Pvt., Ord. Dept., Filling Plant, Md.

Class of 1920

JOHN H. BATES, Avia. Sec., Sig. Cps.  
CLINTON L. BOND, Pvt., Avia. Cps.  
JOHN D. BOWMAN, Sgt., Samp Taylor.  
F. SCOTT CARPENTER, U. S. N. R. F. C.  
HAROUTUNE K. DAGHLIAN, Pvt., Md. Dept., Camp Devens.  
DONALD S. GRAVES, 2nd cl., Seaman, U. S. N. R.  
JAMES B. HARDY, Mechanic, U. S. Flying Cps.  
E. A. HOLLENDER, U. S. Marine Co., U. S. S. "Arkansas."  
T. J. HUGHES, 2nd cl., Mach. Mate, U. S. N. R.  
ELMER L. JOHANSEN, 2nd cl., Seaman, Nav. Aero Sta., Pensacola.  
RALPH R. LARSEN, Avia. Sec., Sig. Cps.  
C. J. LAWSON, Engrs. R. T. Cps.  
A. EVERETT LIBBY, Btry. B, 101st F. A.  
C. B. MALLOY, Btry. A, 103rd F. A.  
ALLEN MORSE, U. S. Nav. Avia. Det., Pensacola.  
AUSTIN S. MYERS, adio Elect., Wireless Sub. Chaser, No. 80.  
W. P. SAMMET, Corp. Gunner, 1st Bn., F. A., Depot Brig., Camp Devens.

M. I. T. ORCHESTRA TO PLAY

This year as in the past the music for the Tech Show will be furnished by the M. I. T. Orchestra under the direction of Mr. Howard who is well satisfied with its work. There is still an opportunity for those playing any instrument and not already on the Orchestra to obtain a place in it. The rehearsals will be held Thursdays at 5 o'clock in the Caf.

ELECTORIAL COMMITTEE.

The meeting of the 1920 Electoral Committee, which was scheduled for today, has been postponed until tomorrow at 5:00 o'clock in Room 10-267.

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### AMERICA, AWAKE!

It is time for us of America to realize that, in the World War, two alternatives face us, and only two. The one is victory. The other is defeat.

We had thought that Germany had progressed with the other nations in ethics, in morals, in spirit, in spirituality. But we were utterly, hopelessly wrong. The passing decades that had brought to other nations a loftier ideal, a higher purpose, have left Germany convinced that might is right; that decency is weakness; that forbearance is cowardice. Germany still believed that the force of arms over-rides the forces of Christian righteousness. She still preaches that, if you covet your neighbor's ox, it is your just right to take it from him if you can; and, if he objects, to kill him in doing it.

Germany has always lusted, and still lusts, for world dominion. She wants to see but two classes of human souls on this green footstool of God; and those classes Germans and slaves.

And so it must come about that, if come to pass that she will have her Germany be not beaten, then it will way; if not in one year, in ten; if not in ten, in fifty; if not in fifty, in a hundred. Some day she will have her way.

It is not yet sixty years that Abraham Lincoln said that the nation could not exist half free and half slave.

It is now for us, who love his memory, who worship his fine, rugged manhood, to cry out. "This world may not exist half civilized and half German!"

We are fighting for our freedom; for our liberty; for this great country that is ours. These things were not lightly won for us. They must not, they shall not be, lightly lost!

It is victory or defeat that we face. A stalemate—a patched-up truce—would, and could, settle nothing. It is not nations, but ideas, that now face each other on the blood-drenched fields of Europe. And there can be no compromise. Right fights Wrong; Good fights Evil; the right of the individual to his own soul and his own body fights against the brazen and bloody mediocrity that one man may draw from all the others their blood to the last drop and their agony to the last pang.

It is time for us of America to realize these things and, moreover, to know that he who, until the victory be won, talks peace, talks treason; he who shows weakness shows cowardice; he who preaches compromise preaches defeat. Our country, our lives, our honor—everything we have, and are, and can ever hope to be—are at stake.

And it can be only that we win or lose. It can be only victory or defeat. And which, oh, you of America, shall it be?

The answer is yours to make.  
PORTER EMERSON BROWN.

### THE GREAT WAR.

The great war is a war of machinery, of engineering, of mechanical skill, of commerce, of industry, of transportation, of organized military and naval strategy.

But it involves also psychological forces of enormous import, the will to victory, the will to righteousness, to liberty, to humanity and justice.

It is a war between good and evil. It is a war led by those, on the one side, who glorify war, who teach that might makes right; that there is no national morality; that God is the patron saint of robbery, of lust and triumphant vice, and against those who believe the contrary of all these things; against those who believe that God is a spirit and they who worship Him must worship Him in spirit and in truth; against those who believe in righteousness and justice, humanity and mercy in the relations between nations.

The United States is waging war from a material standpoint, with every energy possible to a highly intelligent, patriotic and industrial people led by experts in the art of war, should wage war also from the spiritual side. They should make known their purposes to all the world, the high and honorable intent with which America enters this war, that America enters the war as the champion of Liberty, of international morality, of international humanity, justice and mercy. That the United States desires that every nation should have its territorial integrity, its right of internal development guaranteed, that every nation should have access to the sea and its undisputed rights on the sea. That America desires each of the various peoples having a common language, blood and tradition, to have the right, unafraid, of governing themselves and in developing their own character and genius. That we should have, therefore, a great concert of nations assuring these rights by world federation.

The opinion in Austria and Germany will no longer in the same degree follow the leadership of autocracy or a leadership which has continually misled the people by false charges against the United States, France and Great Britain.

SENATOR ROBERT L. OWEN

### THE WOOP TO APPEAR IN MONTHLY MAGAZINE FORM

#### Competitions in Art, News and Business Departments Started

Competitions for positions on the Woop-Garoo began last Thursday afternoon when a fairly large number of aspiring candidates appeared in the Tech office and signified their intentions of "heeling" for the paper. It was made known at this time that the editors plan to publish their periodical in monthly magazine form.

At the same time the work was explained in all of the departments, namely art, news and business, and assignments were given to the new men. It is desired to make of the Woop a paper similar in appearance and contents to that of other college humorous journals.

The candidates will try out in the respective departments with which they have allied themselves and eventually are to be taken on to the staff. From positions on the staff each man is eligible to advancement to a managerial appointment and from there to the board itself.

### TOURTELLOTTIE'S LETTERS

(Continued from page 3)

York Herald. scanty as their news is, in order to know where we were at!"

"We came across the channel in a mule boat. The animals and enlisted men had good protection, but we were forced to stay on deck. On our arrival in a French port we landed almost immediately and were again marched up to a British rest camp. On our way we all saw our first Huns—in the role of prisoners, working on the roads. They seemed to be very contented and happy. They are dressed in a peculiar looking uniform and are allowed to keep their German fatigue caps.

"After lunch a list of names was read out. We were ordered to report to a certain officer. On doing so, we were formed into line and made another four mile march across the city to a depot. After the arrival of part of our baggage we started for Paris.

### Have Big Time in Paris.

"I'm all for Paris. I like it better than any big city that I have ever visited. Certainly had some time there in the few days that I had in it. We stayed at one of the big hotels, which was constructed out of part of the Palais-Royal. We had a big room, with twin beds, (they tell me you never see double beds on the Continent except in certain unmentionable places) and a big bath room adjoining. The two of us had that room and breakfast, served in the room, for 11 francs (about \$2.00) apiece per day. "We had food galore in Paris. We could get "Chateaubriand, pomme frie," which means tenderloin steak and French fried potatoes, for about 35 cents a portion. After our starvation in England we certainly did fill up. The French also make the best chocolate bars that I have ever eaten. Their war bread is absolutely wonderful.

"The streets are alive with officers of all nationalities. The French are especially brilliant. Most of them have two or three medals, which have gayly colored ribbons. You can just about hear them coming. They are exceedingly courteous and very glad to direct us wherever we wished to go, however.

Of course the women of Paris are worthy (?) of a whole paragraph by themselves. I had often heard that our styles were copied after the demimonde women of Paris, but had never believed it until I arrived here. The girl at home that you would classify as some rich man's daughter if you saw her on the street is the street walker here. At least by her dress she is in the same class. I know at the station when I was trying to claim our baggage, a girl came up, very nicely dressed, apparently not painted and very refined looking, and helped us out since she spoke English. When she had finished and we were expressing our thanks, imaging that she was some English or American girl attending school in Paris, she rather shocked us by passing out cards to some Palace of Mirrors where we could see dancing women and have a "very nice time indeed," as she expressed it. There are hundreds like her here. All the big theaters have huge lobbies in which drinks are served during the long intermissions that they have. They apparently give these women free admission, for the place is alive with them. They grab you by your belt, ask you to buy them drinks, etc. And this is in your high class theaters. No wonder they are very leary of giving "leave passes" to American troopers to go to Paris.

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## GERMAN WAR PRACTICE

### Destruction of the Library of the University of Louvain

From an article in the London Times of November 4, 1915, by M. E. Durham, quoting Professor Leon Van der Essen, who had recently seen the librarian, Professor Delannoy, who went to the spot August 27, 1914, to see whether anything could be saved:

"The Germans did not penetrate the building, but contented themselves with smashing the main window looking on the Vieux Marche. Through that window they introduced some inflammable liquid and fired a few shots, causing an immediate explosion.

"On the night of Tuesday, the 25th, a father of the Josephite College, which is located a few yards from the spot where the Germans smashed the main window, called the attention of the commanding officer to the fact that the building he was going to destroy was the University Library. The officer replied, textually, 'Es ist Befehl!' (It is the order.) It was then 11 p. m. These are the facts."

That our own Universities and Libraries have not suffered the fate of Louvain is due to the unbroken line of our Allies. To secure to all peoples, great and small, self-government and the peaceful use of learning, the United States is at war.

SCHOLARS may help by saving now to buy Liberty Bonds for themselves and counselling others to do so.

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